

# INTERNATIONAL SEARCH REPORT

Internation No  
PCT/IB 03/05320

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC 7 G10L19/08**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
**IPC 7 G10L**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>LAGRANGE M ET AL: "Sinusoidal parameter extraction and component selection in a non-stationary model"  <b>5TH INTERNATIONAL CONFERENCE ON DIGITAL AUDIO EFFECTS. DAFX-02 PROCEEDINGS,</b>          26 - 28 September 2002, pages 59-64,  <b>XP002271607</b>          2002, Hamburg, Germany, Univ. Federal Armed Forces, Germany          ISBN: 3-00-010151-9          abstract          page 59, left-hand column, paragraph 2          -right-hand column, last paragraph          page 61, right-hand column, last paragraph          -page 62, left-hand column, last paragraph          page 63, left-hand column, paragraph 1</p> <p>---</p>	1,8,10
Y	<p>---</p> <p>-/-</p>	2,3,6,9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

**26 February 2004**

Date of mailing of the international search report

**18/03/2004**

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TAORI R ET AL: "Closed-loop tracking of sinusoids for speech and audio coding" SPEECH CODING PROCEEDINGS, 1999 IEEE WORKSHOP ON PORVOO, FINLAND, PISCATAWAY, NJ, USA, IEEE, US, 20 - 23 June 1999, pages 1-3, XP010345530 ISBN: 0-7803-5651-9 the whole document --- US 2002/007268 A1 (OOMEN ET AL) 17 January 2002 (2002-01-17) abstract page 1, paragraph 7 page 2, paragraphs 16,17 ---	1,2,8 2
A	US 2002/133358 A1 (DEN BRINKER ET AL) 19 September 2002 (2002-09-19) abstract page 1, paragraph 12 -page 2, paragraph 16 page 2, paragraph 35 -page 3, paragraph 41 figure 3 --- PURNHAGEN H ET AL: "Sinusoidal coding using loudness-based component selection" 2002 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING. PROCEEDINGS (CAT. NO.02CH37334), (CASSP'02), ORLANDO, FL, USA, 13-17 MAY 2002, 13 - 17 May 2002, pages II-1817-20 vol.2, XP002271608 2002, Piscataway, NJ, USA, IEEE, USA ISBN: 0-7803-7402-9 abstract page 1818, left-hand column, paragraph 1 -right-hand column, last paragraph ---	1,8,10 3,6,9
A	MCAULAY R J ET AL: "SPEECH ANALYSIS/SYNTHESIS BASED ON A SINUSOIDAL REPRESENTATION" IEEE TRANSACTIONS ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, IEEE INC. NEW YORK, US, vol. ASSP-34, no. 4, August 1986 (1986-08), pages 744-754, XP001002928 ISSN: 0096-3518 cited in the application abstract -----	1-10

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